EXHIBIT B - CLEAN COPY OF THE CLAIMS PENDING AS OF ENTRY OF AMENDMENT FILED OCTOBER 28, 2002

- 1. A glass sheet intended to be thermally toughened, comprising a silica-soda matrix, wherein said sheet has an expansion coefficient α of greater than $100 \times 10^{-7} \text{ K}^{-1}$, a Young's modulus E of greater than 60 GPa and a thermal conductivity k of less than 0.9 W/m.K.
- 2. The glass sheet of claim 1, wherein said sheet has a Poisson's ratio of greater than 0.21.
- 3. (Amended) The glass sheet of claim 2, wherein said sheet has a specific heat of greater than 740 J/kg.K.
- 4. (Amended) The glass sheet of claim 1, wherein said sheet has a specific heat of greater than 740 J/kg.K.
- 5. The glass sheet of claim 1, wherein said sheet has a density of greater than 2520 kg/m^3 .
 - 6. The glass sheet of claim 1, wherein said sheet satisfies the relationship: $\alpha \cdot E / K > 8000$.
- 7. The glass sheet of claim 1, wherein said matrix comprises, in percentages by weight, the following constituents:

SiO ₂	45-69%	RECEIVED
Al_2O_3	0-14%	OCT 3 1 2002
CaO	0-22%	TC 1700
MgO	0-10%	10 1700
Na ₂ O	6-24%	
K_2O	0-10%	
BaO	0-12%	

$$B_2O_3$$
 0-6% ZnO 0-10%

and satisfies the relationships:

$$Na_2O + K_2O > 20\%$$

 $Na_2O + K_2O + CaO > 27\%$.

8. The glass sheet of claim 1, wherein said matrix comprises, in percentages by weight, the following constituents:

SiO ₂	45-69%
Al_2O_3	0-14%
CaO	0-22%
MgO	0-10%
Na ₂ O	6-24%
K_2O	0-10%
BaO	0-12%
B_2O_3	0-6%
ZnO	0-10%

and satisfies the relationships:

$$Na_2O + K_2O > 17\%$$

 $Na_2O + K_2O + CaO > 35\%$.

9. (Amended) The glass sheet of claim 1, wherein said matrix comprises, in percentages by weight, Na₂O and optionally K₂O in amounts which satisfy the following relationship:

$$Na_2O + K_2O > 17\%$$
.

10. The glass sheet of claim 1, wherein said matrix comprises, in percentages by weight, the following constituents:

SiO ₂	45-69%
Al_2O_3	0-14%
CaO	0-22%
MgO	0-10%

Na₂O 6-24% K₂O 0-10% BaO 0-12% B₂O₃ 0-6% ZnO 0-10%

and satisfies the relationships:

- (a) $Na_2O + K_2O > 17\%$, and
- (b) Na₂O + K₂O + CaO > 29% when at least one of Na₂O > 18%, K₂O > 5%, and Al₂O₃ < 3%.
- 11. The glass sheet of claim 9, wherein said matrix comprises, in percentages by weight, at least one of TiO₂ and Al₂O₃ in amounts which satisfy the relationship:

$$TiO_2 + Al_2O_3 < 3\%$$
.

- 12. The glass sheet of claim 1, wherein said matrix comprises, in percentages by weight, at least one of Na₂O, K₂O, CaO, and Al₂O₃ in amounts which satisfy the following relationships:
- (a) $Na_2O + K_2O > 17\%$, and
- (b) Na₂O + K₂O + CaO > 29% when at least one of Na₂O > 18%, K₂O > 5%, and Al₂O₃ < 3%.
- 13. The glass sheet according to claim 1, wherein said sheet has a thickness of less than 2.5 mm and is thermally toughened.
- 14. The glass sheet of claim 1, wherein said matrix comprises Na₂O and optionally one or more of K₂O, CaO or Al₂O₃ in amounts which satisfy the following relationship:

$$Na_2O + K_2O + CaO > 29 \text{ wt}\%$$

when at least one of $Na_2O > 18$ wt%, $K_2O > 5$ wt%, and $Al_2O_3 < 3$ wt%.

15. The glass sheet of claim 1, wherein said matrix has a CaO content of 10.4 to 22 wt%.